

Amendments to the Claims:

The following listing of claims will replace all prior versions, and listings, of claims in the application:

1. (Currently Amended) An information-recording medium comprising a substrate and a recording layer which is rewritable in accordance with phase-change caused by being irradiated with a laser beam, the information recording medium further comprising at least one other layer formed over the recording layer, wherein the recording layer ~~contains~~ consists of Bi, Ge, and Te, and composition ratios thereof are within a range surrounded by the following respective points on a triangular composition diagram having apexes corresponding to Bi, Ge, and Te, and the recording layer has a film thickness of not more than 15 nm:

F3 (Bi_{3.5}, Ge₄₆, Te_{50.5});

C3 (Bi₄, Ge₄₆, Te₅₀);

D3 (Bi₅, Ge₄₆, Te₄₉);

D5 (Bi₁₀, Ge₄₂, Te₄₈);

C5 (Bi₁₀, Ge₄₁, Te₄₉);

F5 (Bi_{7.5}, Ge₄₁, Te_{51.5}).

2. (Currently Amended) An information-recording medium comprising a substrate and a recording layer which is rewritable in accordance with phase-change caused by being irradiated with a laser beam, the information recording medium further comprising at least one other layer formed over the recording layer, wherein the recording layer ~~contains~~ consists of Bi, Ge, and Te, and composition ratios thereof are within a range surrounded by the following respective points on a triangular composition diagram having apexes corresponding to Bi, Ge, and Te, and the recording layer has a film thickness of not more than 15 nm:

F2 (Bi_{2.5}, Ge₄₇, Te_{50.5});

C2 (Bi₃, Ge₄₇, Te₅₀);

D2 (Bi₄, Ge₄₇, Te₄₉);

D6 (Bi₁₆, Ge₃₇, Te₄₇);

C8 (Bi₃₀, Ge₂₂, Te₄₈);

F7 (Bi₁₉, Ge₂₇, Te₅₄).

3. (Currently Amended) An information-recording medium provided as an optical disk comprising a recording layer which is rewritable in accordance with phase-change caused by being irradiated with a laser beam, the information recording medium further comprising at least one other layer formed over the recording layer, wherein a relationship between a recording linear velocity V1 at a radius R1 and a recording linear velocity V2 at a position R2 disposed outside R1 satisfies $V2/V1 \geq R2/R1$, and the recording layer ~~contains~~ consists of Bi, Ge, and Te, and composition ratios thereof are within a range surrounded by the following respective points on a triangular composition diagram having apexes corresponding to Bi, Ge, and Te, and the recording layer has a film thickness of not more than 15 nm:

F2 (Bi_{2.5}, Ge₄₇, Te_{50.5});

C2 (Bi₃, Ge₄₇, Te₅₀);

D2 (Bi₄, Ge₄₇, Te₄₉);

D6 (Bi₁₆, Ge₃₇, Te₄₇);

C8 (Bi₃₀, Ge₂₂, Te₄₈);

F7 (Bi₁₉, Ge₂₇, Te₅₄).

4. (Original) The information-recording medium according to claim 3, wherein $R2/R1 \geq 1.5$ is satisfied.

5. (Original) The information-recording medium according to claim 3, wherein $R2/R1 \geq 2.4$ is satisfied.

6. (Original) The information-recording medium according to claim 3, wherein $8.14 \text{ m/s} \leq V1 \leq 8.61 \text{ m/s}$ is satisfied.

7. (Currently Amended) An information-recording medium comprising a recording layer which is rewritable multiple times and which is formed on a substrate having a recording track formed thereon, for recording information by causing phase-change in the recording layer under a recording condition in which a track pitch TP is not more than $0.618 \mu\text{m}$, the information recording medium further comprising at least one other layer formed over the recording layer, wherein the recording layer ~~contains~~ consists of Bi, Ge, and Te, and composition ratios thereof are within a range surrounded by the following respective points on a triangular composition diagram having apexes corresponding to Bi, Ge, and Te, and the recording layer has a film thickness of not more than 15 nm:

F2 ($\text{Bi}_{2.5}, \text{Ge}_{47}, \text{Te}_{50.5}$);

C2 ($\text{Bi}_3, \text{Ge}_{47}, \text{Te}_{50}$);

D2 ($\text{Bi}_4, \text{Ge}_{47}, \text{Te}_{49}$);

D6 ($\text{Bi}_{16}, \text{Ge}_{37}, \text{Te}_{47}$);

C8 ($\text{Bi}_{30}, \text{Ge}_{22}, \text{Te}_{48}$);

F7 ($\text{Bi}_{19}, \text{Ge}_{27}, \text{Te}_{54}$).

8. (Currently Amended) An information-recording medium comprising a substrate and a recording layer which is rewritable in accordance with phase-change caused by being irradiated with a laser beam, the information recording medium further comprising at least one other layer formed over the recording layer, wherein the information-recording medium has a disk-shaped configuration, a groove is previously formed in a concentric form or in a spiral form on the substrate, at least one of the groove and a land between the grooves

is used as a recording track, at least one of the groove and the land is wobbled, and the recording layer ~~contains~~ consists of Bi, Ge, and Te, and composition ratios thereof are within a range surrounded by the following respective points on a triangular composition diagram having apexes corresponding to Bi, Ge, and Te, and the recording layer has a film thickness of not more than 15 nm:

F2 (Bi_{2.5}, Ge₄₇, Te_{50.5});

C2 (Bi₃, Ge₄₇, Te₅₀);

D2 (Bi₄, Ge₄₇, Te₄₉);

D6 (Bi₁₆, Ge₃₇, Te₄₇);

C8 (Bi₃₀, Ge₂₂, Te₄₈);

F7 (Bi₁₉, Ge₂₇, Te₅₄).

9. (Canceled)